



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2010-001
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	12 February 2010	Pilatus – PC-7 FOCA TC/TCDS No: F 56-20

Issue Date: 29 January 2010

ATA Chapter: ATA 53 – Fuselage

Subject: **Fuselage – Forward Electrical Bonding Points – Inspection**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-7 aircraft, Manufacturer Serial Numbers (MSN) 101 through MSN 618 inclusive.

Reason: This Airworthiness Directive (AD) is prompted due to the discovery of corrosion at the bonding strap connections on the left and right lower longerons between fuselage frames 1 and 1A. The possibility of corrosion is increased because of the high electrical current flow between the tinned copper terminal lug of the bonding strap and the aluminum longeron.

Such a condition, if left uncorrected, could lead to failure of the longeron and will prejudice the structural integrity of the aircraft. In order to correct and control the situation, this AD requires a one time inspection of the longeron structure and the terminal lugs of the bonding straps for signs of corrosion.

Required actions(s) and Compliance Time(s): Required as indicated below, unless already accomplished:

- (1) Within the next 120 days after the effective date of this AD, perform a visual inspection of the forward bonding points and the terminal lugs for signs of corrosion as required by paragraph (§) 3.C.(1), (2) & (3) of PILATUS PC-7 Service Bulletin No. 53-007.
- (2) If during the inspection required by § (1) of this AD, any signs of corrosion are found, prior to further flight, perform the corrective actions according the instructions provided by § 3.D. of PILATUS PC-7 Service Bulletin No. 53-007. If the corrosion damage is out of limits, record the values and apply to Pilatus for a repair scheme.

Note 1: The repeat inspections will be included in the Chapter 05 of the Aircraft Maintenance Manual (AMM).

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Ref. Publication(s): PILATUS PC-7 Service Bulletin No. 53-007, initial issue.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

For further information contact: The applicable manufacturer's documentation may be obtained directly from:

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